

## NWFCC 2006 Final Draft Schedule

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DAY 1: Monday, December 4, 2006

9:00 Registration

1:00 Welcome/Announcements: Doug Olson, USFWS

1:10 Keynote Speakers: Renne Lohoefer, Region 1 USFWS Director and Dan Diggs, USFWS Assistant Regional Director – Region 1 Fisheries

### SESSION #1 FISH HEALTH & NUTRITION

Session Chair: Ann Gannam, USFWS

1:30 **Jacob Gregg**, USGS – Biological Research Discipline, *Specific Pathogen Free Marine Fish: Developing tools for epizootiology.*

1:50 **Doug Munson**, Idaho Department of Fish and Game, *Benefits of Hatchery Management of BKD Using ELISA-based Culling.*

2:10 **Colleen Weiss**, Oregon Department of Fish and Wildlife, *Fish Tissue Collection Techniques and Basic Information on Routine Fish Health Examinations.*

2:30 **Craig Banner**, ODFW Fish Health, Oregon State University, *Initial Results from ODFW's Fish Health Survey of Naturally Produced Fish.*

2:50 **Dr. John E. Halver**, Professor Emeritus in Nutrition, School of Aquatic Fishery Science, University of Washington, *How Selenium and Ascorbate in Diet Intake Affect Fish Health.*

3:10-3:30 Afternoon Break / Raffle Drawing\* (3:25)

### SESSION #2 FISH HEALTH & NUTRITION

Session Chair: Ray Brunson, USFWS

3:30 **Diane Deal**, Oregon Department of Fish and Wildlife, *Ultraviolet Systems – Uses and Advantages.*

3:50 **Gerald Jones and John Kaufman**, ODFW Fish Health, *IHN at Cole M. Rivers Hatchery, Rogue River Basin, Oregon.*

4:10 **S.K. Gutenberger**, U.S. Fish and Wildlife Service, Lower Columbia River Fish Health Center, *Use of Salmonid Carcasses for Nutrient Restoration: Disease Concerns and Treatments to Reduce Pathogen Transmission.*

4:30 **Darlene Snyder**, Idaho Department of Fish and Game, Hagerman State Fish Hatchery, *Hydrogen Peroxide Increases Survival of Rainbow Trout Fry at Hagerman State Fish Hatchery.*

4:50 **Dr. Jim Brackett**, Western Chemical Inc., *Applications of 35% PEROX-AID® as an External Microbicide for Freshwater Fish.*

5:10 **James D. Bowker**, U.S. Fish and Wildlife Service, *Impending Approval of Aquaflor® for Salmonids – A New Veterinary Feed Directive Antibiotic.*

5:30 Announcements/Adjourn (Raffle Drawing\*)

5:30-10:00 Trade Show and Poster Session Social (light food & refreshments)

DAY 2: Morning Session, Tuesday, December 5, 2006

8:00 Announcements: Craig Martin, USFWS / Raffle Drawing\*

SESSION #3 HATCHERY OPERATIONS AND NEW TECHNOLOGIES

Session Chair: Mark Olson, USFWS

8:10 **Randall L. Winters**, Bonneville Fish Hatchery, Oregon Department of Fish and Wildlife, *Overview of Salmon Production at Bonneville Fish Hatchery.*

8:30 **Loren C. Jensen**, Bonneville Fish Hatchery, Oregon Department of Fish and Wildlife, *Safe and Humane Harvest of Adult Salmon Brood Fish Returning to Bonneville Fish Hatchery.*

8:50 **Ryan Couture**, Oregon Department of Fish and Wildlife, Oregon Hatchery Research Center, *Oregon Hatchery Research Center – Facility Overview.*

9:10 **Caroline Peterschmidt**, Makah Fisheries Management, *Where the Research Meets the Road- Field Experiences and Results of a Calcein Marking Trial with Lake Ozette Sockeye.*

9:30 **Genny West**, PR Aqua, *Reusing Raceway and Circular Tank Water.*

9:50-10:20 Morning Break / Raffle Drawing\* (10:15)

SESSION #4 HATCHERY OPERATIONS AND NEW TECHNOLOGIES

Session Chair: Larry Telles, USFWS

10:20 **Robert C. Endicott**, NOAA Fisheries, Northwest Fisheries Science Center, *A New Temperature-based Growth Program to Improve Feeding Strategies at Hatcheries: a Freeware Application Compiled in Visual Basic.*

10:40 **Theresa Godin**, Freshwater Fisheries Society of BC, *Sterile and All-Female Kokanee Development for Recreational Fisheries.*

11:00 **Dan Magnuson**, U.S. Fish and Wildlife Service, Willard National Fish Hatchery, *Use of Shade Structures at Willard National Fish Hatchery.*

11:20 **Harry Heise**, Specialty Coating Solutions, *The Rehabilitation and Coating of the Walhalla Fish Hatchery Twenty-Four (24) Concrete Raceways.*

11:40 **Benedikt Hálfðanarson**, Vaki Aquaculture Systems Ltd, *Identifying Fish Sex and Species With Riverwatcher Camera Fish Counter.*

12:00 – 1:10 Lunch / Raffle Drawing\* (1:05)

Afternoon Session, Tuesday, December 5, 2006

SESSION #5 SUSTAINABLE FISH CULTURE Continued. DAY 2:

Session Chair: Julie Collins, USFWS

- 1:10        **Lee Blankenship**, Northwest Marine Technology, *Hatchery Reform in the Pacific Northwest.*
- 1:30        **Douglas DeHart**, U.S. Fish and Wildlife Service, Pacific Region, *U.S. Fish and Wildlife Service Columbia Basin Hatchery Reviews.*
- 1:50        **William J. Bosch**, Yakama Nation Fisheries – Yakima Klickitat Fisheries Project *Evaluating the use of Kelt Reconditioning to Rebuild Steelhead Populations in the Yakima River, Washington.*
- 2:10        **Greg Taylor**, U.S. Army Corps of Engineers, *Evaluating the Success of Outplanting Adult Spring Chinook Salmon (*Oncorhynchus tshawytscha*) in the North Fork of the Middle Fork Willamette River, Oregon.*
- 2:30        **Steven Roberts**, Washington Department of Fish and Wildlife, *The Last Spawning: Completion of the Hatchery Phase of Tucannon River Spring Chinook Captive Broodstock Program.*
- 2:50 - 3:20    Afternoon Break / Raffle Drawing\* (3:15)

SESSION #6 SUSTAINABLE FISH CULTURE Cont.

Session Chair: Jim Bowker, USFWS

- 3:20        **Carlin McAuley**, NOAA Fisheries, *Captive Broodstock Programs for Endangered Snake River Spring Chinook – Life in a 20' Ocean – The Manchester Experience.*
- 3:40        **Travis Anderson**, U.S. Fish and Wildlife Service, Lahontan NFH, *The Development of the Pilot Peak Strain of Lahontan Cutthroat Trout at Lahontan National Fish Hatchery.*
- 4:00        **Timothy L. Hoffnagle**, Oregon Department of Fish and Wildlife, Northeast Region Fish Research, *The Grande Ronde Basin Chinook Salmon Captive Broodstock: F<sub>1</sub> Generation.*
- 4:20        **Ray Jones**, U.S. Fish and Wildlife Service, Idaho Fishery Resource Office, *Evaluation of Clearwater Steelhead Stock Performance in Serial Re-use Raceways at Hagerman National Fish Hatchery.*
- 4:40        **Cory Kamphaus**, Yakama Nation, Fisheries Resource Management, *Use of Natural and Semi-Natural Juvenile Rearing Ponds and Applicability to Mid-Columbia Coho Reintroduction.*
- 5:00        **Geraldine Vander Haegen**, Northwest Marine Technology, Inc. *Coded Wire Tags and Pacific Salmon Hatcheries.*
- 5:20        Announcements/Adjourn (Raffle Drawing\*)

DAY 3: Morning Session, Wednesday, December 6, 2006

8:00-8:10 Announcements: Amy Gaskill, USFWS (Raffle Drawing\*)

SESSION #7 AQUATIC NUISANCE SPECIES AND HACCP

Session Chair: Paul Heimowitz, USFWS

8:10 **John W. Hitron**, U.S. Fish and Wildlife Service, Carson NFH, *Eastern Brook Trout in Tyee Spring / Creek – Water Supply for Carson National Fish Hatchery.*

8:30 **Leyla Arsan**, Oregon State University, *Potential Dispersal of the Non-native *Myxobolus cerebralis*. A Qualitative Analysis of Risk for the Willamette River Basin, Oregon.*

8:50 **Jordan Nielson**, University of Idaho, USGS Cooperative Fish and Wildlife Research Unit, *Progress on Methods of Controlling New Zealand Mudsnaills (*Potamopyrgus antipodarum*) in Fish Hatcheries.*

9:10 **Paul Heimowitz**, U.S. Fish and Wildlife Service, Aquatic Invasive Species and Research, *What's the (Critical Control) Point of HACCP: Minimizing the Spread of Aquatic Invasive Species.*

9:30 **ANS Panel Discussion**, John Hitron, Leyla Arsan, Jordan Nielson, & Paul Heimowitz, *Aquatic Nuisance Species and HACCP related to Fish Culture.*

9:50 – 10:20 Morning Break / Raffle Drawing\* (10:15)

SESSION #8 SUSTAINABLE FISH CULTURE cont.

Session Chair: Doug Olson, USFWS

10:20 Fish Culture Hall of Fame Inductions

10:40 **Stephen Smith**, SHS Fisheries Consulting, *Chief Joseph Hatchery, Approaching Final Design.*

11:00 **Caine Brand**, Chiwawa Ponds/Lake Wenatchee Net Pens, *Supplementing For Sustainable Future- Chiwawa Ponds/Lake Wenatchee Net Pens.*

11:20 **Robert E. Null**, U.S. Fish and Wildlife Service, *Post-spawn Movement and Iteroparity of Hatchery-Origin Steelhead Kelts in the Central Valley of California.*

11:40 **Nathan Wiese**, U.S. Fish and Wildlife Service, Hagerman NFH, *Production Capacity Assessment of Steelhead at Hagerman National Fish Hatchery.*

12:00 Closing Remarks / Adjourn / Grand Prize Drawing\*

\*Must be present to win at Raffle Drawings!

POSTER SESSION:

Monday, December 4, 2006, 5:30-7:30

1. **Rod Engle**, U.S. Fish and Wildlife Service, Columbia River Fisheries Program Office, *Techniques for Evaluating a Fry Release Strategy for Tule Fall Chinook Salmon at Spring Creek National Fish Hatchery.*
2. **David Hand**, U.S. Fish and Wildlife Service, Columbia River Fisheries Program Office, *Adult Hatchery fish in the Stream: An Evaluation of an Outplanting Program to Increase Natural Production.*
3. **Maureen Kavanagh**, U.S. Fish and Wildlife Service, Columbia River Fisheries Program Office, *Assessing the Impacts of Hatchery Released Fish on Native and ESA Listed Species.*
4. **Doug Olson and Mary Peters**, U.S. Fish and Wildlife Service, *The Effect of Erythromycin Feed Treatments on Prevalence of Bacterial Kidney Disease and Subsequent Survival of Spring Chinook Salmon at an Oregon Hatchery.*
5. **Oregon Chapter of the American Fisheries Society.**
6. **Ron G. Twibell**, U.S. Fish and Wildlife Service, Abernathy Fish Technology Center, *Effects of a Commercial All-Plant Protein Diet on Growth Responses and Tissue Contaminant Levels in Coastal Cutthroat Trout.*
7. **David L. G. Noakes**, Oregon State University & OHRC Fisheries & Wildlife Department, Oregon State University, Corvallis Oregon, *The Oregon Hatchery Research Center: Searching for Answers*